

Patent Application of
Luis J. Rodriguez
for

TITLE: SELF SEALING FORMS

CROSS REFERENCE TO RELATED APPLICATIONS

This is a divisional of Ser. No. 09/130,534 filed August 04, 1998, ^{now U.S. Patent No. 6,406,586,} which is a continuation-in-part of Ser. No. 09/093,301 filed June 08, 1998, now abandoned, which is a continuation-in-part of Ser. No. 08/986,394, filed Dec. 08, 1997, now abandoned.

BACKGROUND-FIELD OF THE INVENTION

This invention relates to forms, particularly to such forms that can be self sealed, obviating thereby the need of an envelope. The term form encompasses letters, documents, forms, and any type of correspondence. A form can also be described as a mailer or any other equivalent term.

BACKGROUND-DESCRIPTION OF PRIOR ART

Whether it is one individual piece or a massive list of pieces, personalization is a ruling constant in any mailing project in today's private and public sectors. Hence, functionality, economy and versatility are very desirable qualities associated with these projects.

Many attempts have been made to achieve these qualities, and most of these efforts have been restricted to continuous feeding systems (e.g. web presses and friction printers) as opposed to non-continuous or sheet fed printers (e.g. laser, inkjet, thermal and litho printers.)

The following are notable exponents of the known art:

09/978, 215

09978215-101501

- FIG. 10B:** is a plan view of the form of FIG. 10A, having the flaps bent.
- FIG. 10C:** is a plan view of the form of FIG. 10B, after printing occurred.
- FIG. 10D:** is a plan view of the form of FIG. 10C, having the flaps unbent.
- FIG. 10E:** is a perspective view of the form of FIG. 10D, being folded.
- FIG. 10F:** is a plan view of the form of FIG. 10E, fully folded and sealed.
- FIG. 11:** is a plan view of a self sealing form, after printing occurred, and having the flaps unbent.
- FIG. 12A:** is a plan view of a self sealing form, illustrating the layers used.
- FIG. 12B:** is a plan view of the form of FIG. 12A, having the flaps bent.
- FIG. 12C:** is a plan view of the form of FIG. 12B, after printing occurred.
- FIG. 12D:** is a plan view of the form of FIG. 12C, having the flaps unbent.
- FIG. 12E:** is a perspective view of the form of FIG. 12D, being fanfolded.
- FIG. 12F:** is a plan view of the form of FIG. 12E, fully folded and sealed.
- FIG. 13:** is a plan view of a self sealing form, after printing occurred, having the flaps unbent.
- FIG. 14A:** is a plan view of a self sealing form, illustrating the layers used.
- FIG. 14B:** is a plan view of the form of FIG. 14A, having the flaps bent.
- FIG. 14C:** is a perspective view of the form of FIG. 14B, after printing occurred, being fanfolded.
- FIG. 14D:** is a plan frontal view of the form of FIG. 14C, fully folded and sealed.
- FIG. 14E:** is a plan rear view of the form of FIG. 14D.
- FIG. 15A:** is a partial plan view of a web of self sealing forms, illustrating the layers used.
- FIG. 15B:** is a perspective view of the web of FIG. 15A, illustrating a sequence of forms in assembled and folded condition.
- FIG. 16:** is a partial plan view of a web of self sealing forms, having preprinted indicia.
- FIG. 17A:** is a plan view of a self sealing form, illustrating the layers used.
- FIG. 17B:** is a plan view of the form of FIG. 17A, having the flaps bent and after printing occurred.
- FIG. 17C:** is a perspective view of the form of FIG. 17B, being folded.
- FIG. 17D:** is a perspective view of the form of FIG. 17C, in a later stage of its folding.
- FIG. 17E:** is a plan rear view of the form of FIG. 17D.
- FIG. 17F:** is a plan front view of the form of FIG. 17E.

15/05/05